

Table ES-4: Transportation-Related Greenhouse Gas Emissions (Tg CO₂ Eq)

Gas/Vehicle Type	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
CO₂	1,474.4	1,440.2	1,475.5	1,505.0	1,553.8	1,581.8	1,621.2	1,631.4	1,659.0	1,716.4
Passenger Cars	620.0	614.7	629.7	635.3	631.6	641.9	654.1	660.2	674.5	688.9
Light-Duty Trucks	283.1	282.2	282.1	294.2	318.4	325.3	333.5	337.3	356.9	364.8
Other Trucks	206.0	198.6	204.7	216.5	227.6	235.9	248.1	257.0	257.9	269.7
Buses	10.7	11.2	11.2	11.7	13.0	13.5	11.3	12.0	12.3	12.9
Aircraft ^a	176.7	169.2	166.9	168.0	175.8	171.5	180.2	179.0	183.0	184.6
Boats and Vessels	59.4	52.8	67.7	63.4	62.2	66.9	63.8	50.2	47.9	65.6
Locomotives	28.4	26.4	28.2	25.9	30.6	31.5	33.4	34.4	33.6	35.1
Other ^b	90.1	85.1	85.0	90.0	94.6	95.3	96.7	101.4	93.0	94.9
International Bunker Fuels ^c	114.0	120.0	110.0	99.9	98.0	101.0	102.2	109.8	112.8	107.3
CH₄	5.0	4.9	5.0	5.0	4.9	4.9	4.8	4.7	4.6	4.5
Passenger Cars	2.4	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9
Light-Duty Trucks	1.6	1.8	1.9	1.9	1.9	1.9	1.6	1.6	1.5	1.4
Other Trucks and Buses	0.4	0.4	0.4	0.4	0.5	0.5	0.7	0.7	0.7	0.7
Aircraft	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
Boats and Vessels	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Locomotives	0.1	0.1	0.1	+	0.1	0.1	0.1	0.1	+	+
Other ^d	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
International Bunker Fuels ^c	+	+	+	+	+	+	+	+	+	+
N₂O	54.3	57.5	61.6	64.5	66.4	66.8	65.3	65.2	64.2	63.4
Passenger Cars	31.0	30.7	31.8	32.3	33.0	33.0	32.7	32.4	32.1	31.5
Light-Duty Trucks	17.8	21.2	24.0	26.2	26.9	27.1	23.9	24.0	23.3	22.7
Other Trucks and Buses	2.6	2.7	2.9	3.1	3.4	3.6	5.6	5.8	5.9	6.1
Aircraft ^a	1.7	1.6	1.6	1.6	1.7	1.7	1.8	1.7	1.8	1.8
Boats and Vessels	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.3	0.4
Locomotives	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.2
Other ^d	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
International Bunker Fuels ^c	1.0	1.0	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
HFCs	+	+	0.8	2.5	6.5	9.5	13.5	17.2	20.6	23.7
Mobile Air Conditioners ^e	+	+	0.8	2.5	6.5	9.5	13.5	17.2	20.6	23.7
Total^c	1,533.7	1,502.7	1,542.9	1,577.0	1,631.6	1,663.0	1,704.8	1,718.5	1,748.4	1,808.0

+ Does not exceed 0.05 Tg CO₂ Eq.

Note: Totals may not sum due to independent rounding.

^a Aircraft emissions consist of emissions from all jet fuel (less bunker fuels) and aviation gas consumption.

^b "Other" CO₂ emissions include motorcycles, construction equipment, agricultural machinery, pipelines, and lubricants.

^c Emissions from International Bunker Fuels include emissions from both civilian and military activities, but are not included in totals.

^d "Other" CH₄ and N₂O emissions include motorcycles, construction equipment, agricultural machinery, gasoline-powered recreational, industrial, lawn and garden, light commercial, logging, airport service, other equipment; and diesel-powered recreational, industrial, lawn and garden, light construction, airport service.

^e Includes primarily HFC-134a.